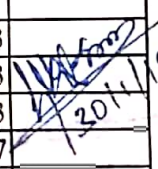


BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

FIRST AND FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
1		Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		For Road Surface							
		V R Super Market BackSide							
0	15		Cum	1	15.00	4.80	0.30	21.60	
15	23.3		Cum	1	8.30	4.70	0.30	11.70	
23.3	34.4		Cum	1	11.10	7.35	0.30	24.48	
34.4	49.4		Cum	1	15.00	4.80	0.30	21.60	
49.4	51.8		Cum	1	2.40	4.40	0.30	3.17	
51.8	62.8		Cum	1	11.00	6.40	0.30	21.12	
62.8	74.4		Cum	1	11.60	7.65	0.30	26.62	
74.4	83.3		Cum	1	8.90	3.90	0.30	10.41	
		New CC Drain							
		Cross Road							
0	15		Cum	1	15.00	1.50	1.05	23.63	
15	30		Cum	1	15.00	1.50	1.05	23.63	
30	45		Cum	1	15.00	1.50	1.05	23.63	
45	57.3		Cum	1	12.30	1.50	1.05	19.37	
		Cross Road							
0	15		Cum	1	15.00	1.10	1.05	17.33	
15	35.3		Cum	1	20.30	1.10	1.05	23.45	
		Drain Desilt							
		BS slab Drain							
		Venkataswammi House							
0	15		Cum	1	15.00	0.45	0.45	3.04	
15	25.2		Cum	1	10.20	0.45	0.45	2.07	
		Cross Road							
0	15		Cum	1	15.00	0.60	0.60	5.40	
15	30		Cum	1	15.00	0.60	0.60	5.40	
30	45		Cum	1	15.00	0.60	0.60	5.40	
45	60		Cum	1	15.00	0.60	0.60	5.40	
60	75		Cum	1	15.00	0.60	0.60	5.40	
75	90		Cum	1	15.00	0.60	0.60	5.40	
90	105		Cum	1	15.00	0.60	0.60	5.40	

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore
Contactor



PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
105	120		Cum	1	15.00	0.60	0.60	5.40	
120	135		Cum	1	15.00	0.60	0.60	5.40	
135	150		Cum	1	15.00	0.60	0.60	5.40	
		For New Slab Drain							
		Nagesh House							
0	15		Cum	1	15.00	0.75	0.75	8.44	
15	30		Cum	1	15.00	0.75	0.75	8.44	
30	45		Cum	1	15.00	0.75	0.75	8.44	
45	60		Cum	1	15.00	0.75	0.75	8.44	
60	75		Cum	1	15.00	0.75	0.75	8.44	
75	90		Cum	1	15.00	0.75	0.75	8.44	
90	105		Cum	1	15.00	0.75	0.75	8.44	
105	116.6		Cum	1	11.60	0.75	0.75	6.53	
		For New SSm Drain							
		VR Super Market Opposite							
0	15		Cum	1	15.00	2.2	1.20	39.60	
15	25.5		Cum	1	10.50	2.2	1.20	27.72	
0	15		Cum	1	15.00	2.2	1.20	39.60	
15	30		Cum	1	15.00	2.2	1.20	39.60	
30	37.9		Cum	1	7.90	2.2	1.00	17.38	
		Raju House							
0	15		Cum	1	15.00	2.2	1.20	39.60	
15	30		Cum	1	15.00	2.2	1.20	39.60	
30	45		Cum	1	15.00	2.2	1.20	39.60	
45	60		Cum	1	15.00	2.2	1.20	39.60	
60	75		Cum	1	15.00	2.2	1.20	39.60	
75	80.6		Cum	1	5.60	2.2	1.20	14.78	
		For Flaging Course							
		Venkataswammi House							
0	15		Cum	2	15.00	0.45	0.45	6.08	
15	25.2		Cum	2	10.20	0.45	0.45	4.13	
		Temple opposite Road							
0	11.5		Cum	2	11.5	0.45	0.6	6.21	
Total								789.51	

900605
Assistant Executive Engineer,
Byaterayanapura Sub-division
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PMC

Assistant Engineer

3/4/2020
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	
From	To				(m)	(m)	(m)			
2		Removing B.S slab of drain and stacking specifications and direction of site engineer in in charge of the work								
Measurements taken on										
		Cross Road								
2	14		Sqm	1	12.00	1.80		21.60		
16	28		Sqm	1	12.00	1.80		21.60		
32	43.4		Sqm	1	11.40	1.80		20.52		
48	57		Sqm	1	9.00	1.80		16.20		
62	73		Sqm	1	11.00	1.80		19.80		
74	88.5		Sqm	1	14.50	1.80		26.10		
93	102		Sqm	1	9.00	1.80		16.20		
106	117		Sqm	1	11.00	1.80		19.80		
121	135.5		Sqm	1	14.50	1.80		26.10		
139	147		Sqm	1	8.00	1.80		14.40		
		Total							202.32	

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2022-23
Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore
Contactor



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Assistant Engineer

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Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
3		Refixing stone slabs of drains and pointing in CM (1:3) specifications and direction of site engineer in incharge of the work							
Measurements taken on									
		Cross Road							
2	14		Sqm	1	12.00	1.80		21.60	
16	28		Sqm	1	12.00	1.80		21.60	
32	43.4		Sqm	1	11.40	1.80		20.52	
48	57		Sqm	1	9.00	1.80		16.20	
62	73		Sqm	1	11.00	1.80		19.80	
74	88.5		Sqm	1	14.50	1.80		26.10	
93	102		Sqm	1	9.00	1.80		16.20	
106	117		Sqm	1	11.00	1.80		19.80	
121	135.5		Sqm	1	14.50	1.80		26.10	
139	147		Sqm	1	8.00	1.80		14.40	
Total								202.32	

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Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BMP, Bangalore
Contractor



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Assistant Engineer

[Signature]
Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

FIRST AND FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
5		Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		CC Road							
		V R Super Market BackSide							
0	15		Cum	1	15	4.8	0.15	10.80	
15	23.3		Cum	1	8.3	4.7	0.15	5.85	
23.3	34.4		Cum	1	11.1	7.35	0.15	12.24	
34.4	49.4		Cum	1	15	4.8	0.15	10.80	
49.4	51.8		Cum	1	2.4	4.4	0.15	1.58	
51.8	62.8		Cum	1	11	6.4	0.15	10.56	
62.8	74.4		Cum	1	11.6	7.65	0.15	13.31	
74.4	83.3		Cum	1	8.9	3.9	0.15	5.21	
		For New SSm Drain							
		VR Super Market Opposite							
0	15		Cum	1	15	2.2	0.15	4.95	
15	25.5		Cum	1	10.5	2.2	0.15	3.47	
0	15		Cum	1	15	2.2	0.15	4.95	
15	30		Cum	1	15	2.2	0.15	4.95	
30	37.9		Cum	1	7.9	2.2	0.15	2.61	
		Raju House							
0	15		Cum	1	15	2.2	0.15	4.95	
15	30		Cum	1	15	2.2	0.15	4.95	
30	45		Cum	1	15	2.2	0.15	4.95	
45	60		Cum	1	15	2.2	0.15	4.95	
60	75		Cum	1	5.6	2.2	0.15	1.85	
75	80.6								
		For Flaging Course							

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore
Contractor



Assistant Engineer

Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
		Venkataswammi House							
0	15		Cum	2	15	0.45	0.15	2.03	
15	25.2		Cum	2	10.2	0.45	0.15	1.38	
		Temple opposite Road							
0	11.5		Cum	2	11.5	0.45	0.15	1.55	
Total								122.83	

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Raghu
12/12/2020
12/12/2020

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Assistant Executive Engineer,
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KRIDL, BBMP, Bangalore



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Assistant Engineer

Raghu
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

FIRST AND FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
6		Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		For New SSm Drain							
		VR Super Market Opposite							
0	15		Cum	2	15	0.7	0.5	10.50	
15	25.5		Cum	2	10.5	0.7	0.5	7.35	
0	15		Cum	2	15	0.7	0.5	10.50	
15	30		Cum	2	15	0.7	0.5	10.50	
30	37.9		Cum	2	7.9	0.7	0.5	5.53	
		Raju House							
0	15		Cum	2	15	0.7	0.5	10.50	
15	30		Cum	2	15	0.7	0.5	10.50	
30	45		Cum	2	15	0.7	0.5	10.50	
45	60		Cum	2	15	0.7	0.5	10.50	
60	75		Cum	2	15	0.7	0.5	10.50	
75	80.6		Cum	2	5.6	0.7	0.5	3.92	
Total								100.80	

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14/2/2020

Raghu
14/2/2020

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Assistant Executive Engineer,
Byatarayanapura Sub-division
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PMC

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Assistant Engineer

Raghu
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

FIRST AND FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
8		Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		For New SSm Drain							
		VR Super Market Opposite							
0	15		Cum	2	15	0.55	0.1	1.65	
15	25.5		Cum	2	10.5	0.55	0.1	1.16	
0	15		Cum	2	15	0.55	0.1	1.65	
15	30		Cum	2	15	0.55	0.1	1.65	
30	37.9		Cum	2	7.9	0.55	0.1	0.87	
		Raju House							
0	15		Cum	2	15	0.55	0.1	1.65	
15	30		Cum	2	15	0.55	0.1	1.65	
30	45		Cum	2	15	0.55	0.1	1.65	
45	60		Cum	2	15	0.55	0.1	1.65	
60	75		Cum	2	5.6	0.55	0.1	0.62	
75	80.6								
		Vent bed							
		VR Super Market Opposite							
0	15		Cum	1	15	0.65	0.1	0.98	
15	25.5		Cum	1	10.5	0.65	0.1	0.68	
0	15		Cum	1	15	0.65	0.1	0.98	
15	30		Cum	1	15	0.65	0.1	0.98	
30	37.9		Cum	1	7.9	0.65	0.1	0.51	
		Raju House							
0	15		Cum	1	15	0.65	0.1	0.98	
15	30		Cum	1	15	0.65	0.1	0.98	
30	45		Cum	1	15	0.65	0.1	0.98	
45	60		Cum	1	15	0.65	0.1	0.98	
60	75		Cum	1	15	0.65	0.1	0.98	

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL Bangalore



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Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
75	80.6		Cum	1	5.6	0.65	0.1	0.36	
		For Flaging Course							
		Venkataswammi House							
0	15		Cum	2	15	0.2	0.1	0.60	
15	25.2		Cum	2	10.2	0.2	0.1	0.41	
		Temple opposite Road							
0	11.5		Cum	2	11.5	0.2	0.1	0.46	
		Nagesh House							
0	15		Cum	2	15	0.2	0.1	0.60	
15	30		Cum	2	15	0.2	0.1	0.60	
30	45		Cum	2	15	0.2	0.1	0.60	
45	60		Cum	2	15	0.2	0.1	0.60	
60	75		Cum	2	15	0.2	0.1	0.60	
75	90		Cum	2	15	0.2	0.1	0.60	
90	105		Cum	2	15	0.2	0.1	0.60	
105	116.6		Cum	2	11.6	0.2	0.1	0.46	
Total								31.33	

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRISS Bangalore



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Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

FIRST AND FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
10		Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		For Flaging Course							
		Venkataswammi House	Sqm	2	15		0.4	12.00	
0	15		Sqm	2	10.2		0.4	8.16	
15	25.2								
		Temple opposite Road	Sqm	2	11.5		0.6	13.80	
0	11.5								
Total								33.96	

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22/2/2020

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL BBMP Bangalore

Contractor



Assistant Engineer

Assistant executive Engineer

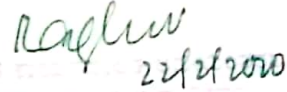
BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

FIRST AND FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
15		Loading and Unloading of stone boulders by manual means complete as per specification and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
			Cum	Qty. Vide Item No. 1				789.51	
		Total						789.51	


Assistant Executive Engineer,
Byatarayanapura Sub-division
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Assistant Engineer

Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	
From	To				(m)	(m)	(m)			
E1		KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work. Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
Measurements taken on										
		New CC Drain								
		Cross Road								
0	15		Cum	1	15	1.5	0.15	3.38		
15	30		Cum	1	15	1.5	0.15	3.38		
30	45		Cum	1	15	1.5	0.15	3.38		
45	57.3		Cum	1	12.3	1.5	0.15	2.77		
		Cross Road								
0	15		Cum	1	15	1.1	0.15	2.48		
15	35.3		Cum	1	20.3	1.1	0.15	3.35		
		Total							18.72	

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2505-25
Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL BBMP Bangalore
Contractor



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Assistant Engineer

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Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	
From	To				(m)	(m)	(m)			
E3		providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
		From Calculation Sheet							2.42	

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Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIOL, BBMP, Bangalore
Contractor



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Assistant Engineer

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Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05									
PRE MEASUREMENT SHEET									
FIRST and FINAL BILL									
STEEL CALCULATION									
SI NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Item no.8	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.								
Measurements Taken On:									
For RCC Drain									
Cross road									
	Main Bars (#12@120 c/c)	1	12	479	479	2.70	1291.95	0.88781408	1147.01
	Distribution(18-#8)	1	8	18	18	57.30	1031.40	0.39458404	406.97
Cross road									
	Main Bars (#12@120 c/c)	1	12	295	295	2.50	737.92	0.88781408	655.13
	Distribution(15-#8)	1	8	15	15	35.30	529.50	0.39458404	208.93
TOTAL QTY IN KG'S									2418.05
TOTAL QTY IN TONNE									2.42

Handwritten signature and stamp of the Assistant Executive Engineer, BBMP Bangalore.

Handwritten signature and stamp of the Assistant Executive Engineer, BBMP Bangalore.

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIE, BBMP Bangalore



PMC

Assistant Engineer

Assistant Executive Engineer